BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Detailed Estime for Providing sodium vapour street light fittings , control switches and ACSR Conductor with connected accessories in ward No-09.Vidyaranyapura Sub Division.

Budget Head

Ward No. Estimate No.. For Rs.15,00,000.00

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (Ele) S.R.2014-15				
1 P.No 22 I.No4.16	Supplying High pressure sodium vapour street light luminaire 250wsuitable for use with high pressure sodium vapour lamp with integrated control gear and grey colr powder coated. The fitting shall be non corrosive pressure die cast aluminium housing with high purity anodized aluminium housing with EPDM Gaskets suitable for Outer Dia of pole 40 mm -60 mm. Cable entry through a cable gland with toggle clips. IP65 protection for both optical & electrical compartment. Bottom cover may be with poly carbonate/tempered/ toughened glass.Luminaire efficiency should be > 60 % and ambient temperature >35 deg C. High Intensity Discharge electro magnetic ballast with copper winding of Orthocyclic winding coil. Class H insulated dual coated copper wire. Complaince to IEC 61347-2-9 Safety & IEC 60923-Performance. Winding Temperature rise "Tw-130deg C & temperature sise T=70 deg C. Luminaire shall be suitable to operate on 230/250 V 50 Hz AC supply finish including wiring , Ignitor, condenser, SS Toggles for opening front hingeable glass 250 Wattsa) Group 'A'	155	6900	Each	1069500.00
2 P.No-108 I.No-17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	106 155	893	Each	94658 138415.00

3 P.No-51 I.No- 6.48.3	Supplying and fixing of timer Operating Illuminance Levels I. For Switching ON : < 60 lux for >30 sec II. For Switching OFF : >10 lux for >30 sec Switching Endurance : Minimum 5,000 cycles. • Max. Device Power Insulation Resistance : Minimum 5 Meg Ohms• Operating Temperature Range : -10o C to +55oC (Ambient) • Operating Humidity Range : Upto 95% RH at 40oC Auto Voltage trip levels,Auto High Voltage Sense and Trip : Above 280 VAC, Auto High Voltage Sense and Reset : Below 265 VAC. uto low voltage sense and trip : Below 150 VAC, Auto low voltage sense and reset : Above 165 VAC, Consumption : 1 Watt at 230 VAC(Approved Rates) Contactor details: supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and As per IS-13947 Rating: a) 100-125 amps	10	15730	Each	157300.00
4 33/5.4.2	Supply and fixing of ..... cross arm including all Hardwares compete as per the standard technical specification. 2) 2 Pin 45x45x5mm-510mm	41	306.00	Each	12546.00
5 33/5.9.1	Supplying and Fixing..... including all Hardwares etc complete as per the Standard technical Specification. 1) 1.1KV Pin Insulator	130	44.00	Each	5720.00
	2) No.8 Strain Insulator	55	14.00	Each	770.00
6 34/5.11	Supplying and stringing of ACSR Conductor (6/2.59mm Al+1/2.59mm steel)	2850	30.00	Mtr	85500.00
33/5.2.2	Supply and erection of .....Mtr RCC Pole including earth work etc,. complete as per the standard technical specification of BESCOM8Mtr 145Kg WL	5	6047.00	Each	30235.00
8	Miscellaenous				10414.00
TOTAL					**1500000.00**

TECHNICALLY SANCTIONED FOR Rs. 15.00 Lakhs
Rupees Fifteen Lakhs only
Under P-2415 Reserve fund for Tandf Coomanittee
Registered as EE (") No. 99
Subject to conditions contained in enclosed memo EE ( ) No BBMP/CE/42/AS/02/16-17
Dt. 21-04-2016
Estimate A/ Sanctioned by EE/CE/42/TS/01/2016-17
Dated 22.04.2016 No.
Rs. 15.00 Lakhs
Executive Engineer

CERTIFICATE :- KRIDL charges 11%.

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R. 2014-15 SR Rates.

135135-00
14864-00
1500000-00

Jr/ Assistant Engineer (Ele)
Yelahanka Zone

Assistant Executive Engineer (Ele)
Yelahanka Zone

Administrative Approval
Accorded For 15.00 Lakhs
Head of A/C P2415
CER NO : 02 Dt: 21.04.16

TA CE (YNK)

Executive Engineer
Electrical Division
BBMP, Bangalore-92